


**PALM INTRANET**

Day : Friday  
Date: 9/8/2006  
Time: 14:35:34

# Content Information for 10/705515

**Search Another:** Application#   or Patent#    
PCT /  /   or PG PUBS #    
Attorney Docket #    
Bar Code #

| Appln Info | Contents | Petition Info | Atty/Agent Info                     | Continuity/Reexam | Foreign Data |
|------------|----------|---------------|-------------------------------------|-------------------|--------------|
| Date       | Status   | Code          | Description                         |                   |              |
| 08/18/2006 |          | FWDX          | DATE FORWARDED TO EXAMINER          |                   |              |
| 08/11/2006 | 71       | A...          | RESPONSE AFTER NON-FINAL ACTION     |                   |              |
| 05/11/2006 | 41       | MCTNF         | MAIL NON-FINAL REJECTION            |                   |              |
| 05/10/2006 | 40       | CTNF          | NON-FINAL REJECTION                 |                   |              |
| 04/05/2006 |          | DOCK          | CASE DOCKETED TO EXAMINER IN GAU    |                   |              |
| 03/21/2006 |          | DOCK          | CASE DOCKETED TO EXAMINER IN GAU    |                   |              |
| 03/03/2006 |          | DOCK          | CASE DOCKETED TO EXAMINER IN GAU    |                   |              |
| 05/10/2005 |          | DOCK          | CASE DOCKETED TO EXAMINER IN GAU    |                   |              |
| 04/26/2005 | 30       | DOCK          | CASE DOCKETED TO EXAMINER IN GAU    |                   |              |
| 04/14/2004 | 25       | TSSCOMP       | IFW TSS PROCESSING BY TECH CENTER C |                   |              |
| 11/01/2003 |          | A.PE          | PRELIMINARY AMENDMENT               |                   |              |
| 02/25/2004 | 20       | WROIPE        | APPLICATION RETURN FROM OIPE        |                   |              |
| 02/25/2004 | 18       | ROIPE         | APPLICATION RETURN TO OIPE          |                   |              |
| 02/25/2004 | 20       | OIPE          | APPLICATION DISPATCHED FROM OIPE    |                   |              |
| 02/26/2004 |          | COMP          | APPLICATION IS NOW COMPLETE         |                   |              |
| 02/13/2004 |          | L194          | CLEARED BY OIPE CSR                 |                   |              |
| 02/13/2004 |          | CLSS          | CASE CLASSIFIED BY L&R              |                   |              |
| 02/10/2004 |          | SCAN          | IFW SCAN & PACR AUTO SECURITY REVIE |                   |              |
| 11/10/2003 | 19       | IEXX          | INITIAL EXAM TEAM NN                |                   |              |

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Application Number

IDS Flag Clearance for Application 10705515

**IDS  
Information**

| Content                               | Mailroom<br>Date | Entry<br>Number | IDS<br>Review | Last Modified | Reviewer |
|---------------------------------------|------------------|-----------------|---------------|---------------|----------|
| <input type="button" value="Update"/> |                  |                 |               |               |          |

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 522  | display and (X and Y and dispersed adj light)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/02 14:38 |
| S2    | 17   | display and (X adj Y adj plane and dispersed adj light)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/02 15:08 |
| S3    | 2    | display and (X adj Y adj plane and dispersed adj light) and Z and (propagat\$6 adj light\$6)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/02 14:39 |
| S4    | 2    | display and (X adj Y adj plane and dispersed adj light) and (Z and (propagat\$6 adj light\$6)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/02 14:39 |
| S5    | 0    | display and (X adj Y adj plane adj dispersed and light)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/02 15:08 |
| S6    | 83   | display and (X adj Y adj plane and dispers\$6 adj light\$6)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/02 15:09 |
| S7    | 3556 | display and dispers\$6 adj light\$6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/02 15:10 |
| S8    | 83   | display and (dispers\$6 adj light\$6 and x adj y adj plane)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/02 15:10 |
| S9    | 1099 | display and (dispers\$6 and light\$6 and x adj y adj plane)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/02 15:10 |

## EAST Search History

|     |   |   |   |    |    |                  |
|-----|---|---|---|----|----|------------------|
| S10 | 7 | display and (dispers\$6 and light\$6 adj x adj y adj plane)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 15:11 |
| S11 | 1 | display and (dispers\$6 adj light\$6 and light\$6 adj x adj y adj plane)            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 15:13 |
| S14 | 1 | display and (dispers\$6 adj light adj pattern and contain\$6 and x adj y adj plane) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 15:15 |
| S15 | 9 | display and dispers\$6 adj light adj pattern  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 09:20 |
| S16 | 2 | "4,842,396".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:45 |
| S17 | 2 | "5,889,567".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:43 |
| S18 | 2 | "5,926,411".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 09:21 |
| S19 | 2 | "6,115,152".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:42 |
| S33 | 2 | "6,115,152".pn. and diffract\$6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 09:21 |
| S34 | 2 | "6,115,152".pn. and diffract\$6 and optical and element                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 09:22 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S35 | 2    | "4,842,396".pn. and diffract\$6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 12:52 |
| S36 | 1    | "5,889,567".pn. and diffract\$6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 12:50 |
| S37 | 1    | "5,926,411".pn. and diffract\$6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:44 |
| S38 | 1    | "5,889,567".pn. and diffract\$6 and LED   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 12:50 |
| S39 | 0    | "4,842,396".pn. and diffract\$6 and (LED or light adj emitting adj diode\$1) and color\$1 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 12:53 |
| S40 | 1    | "4,842,396".pn. and diffract\$6 and (LED or light adj emitting adj diode\$1)              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 12:54 |
| S41 | 0    | "4,842,396".pn. and red   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 12:54 |
| S42 | 1357 | display and diffractive adj optical adj element   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:38 |
| S43 | 97   | display and diffractive adj optical adj element and homogeniz\$6                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:02 |
| S44 | 3    | display and diffractive adj optical adj element and homogeniz\$6 and kinoform\$6          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:01 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S45 | 3   | display and diffractive adj optical adj element and homogeniz\$6 and kinoform\$6 and binary                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:00 |
| S46 | 1   | display and diffractive adj optical adj element and homogeniz\$6 and kinoform\$6 and binary and multilayer   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 13:59 |
| S47 | 133 | display and (diffractive adj optical and element) and homogeniz\$6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:02 |
| S48 | 1   | display and (diffractive adj optical and element) and homogeniz\$6 and kinoform\$6 and binary and multilayer | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:05 |
| S49 | 3   | display and (diffractive adj optical and element) and homogeniz\$6 and kinoform\$6 and binary                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 16:17 |
| S50 | 2   | "6657605".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:06 |
| S51 | 0   | "6657605".pn. and homogenizer  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:06 |
| S52 | 0   | "6657605".pn. and kinoform   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:07 |
| S53 | 0   | "6657605".pn. and binary   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:07 |
| S54 | 0   | "6657605".pn. and multilayer   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:07 |

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|     |    |  |   |    |    |                  |
|-----|----|--|---|----|----|------------------|
| S55 | 0  | "6657605".pn. and gray adj scale adj element   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:08 |
| S56 | 99 | display and (diffractive adj optical and element) and gray adj scale   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:09 |
| S57 | 0  | display and (diffractive adj optical and element) and homogeniz\$6 and kinoform\$6 and binary and gray adj scale | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:09 |
| S58 | 1  | display and (diffractive adj optical and element) and homogeniz\$6 and kinoform\$6 and binary and continuous     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:09 |
| S59 | 0  | display and diffractive adj optical adj element adj (homogeniz\$6 and kinoform\$6)                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:39 |
| S60 | 0  | display and diffractive adj optical adj element adj (homogeniz\$6 )  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:39 |
| S61 | 0  | "6,115,152".pn. and kinofrom\$6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:42 |
| S62 | 0  | "6,115,152".pn. and binary   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:42 |
| S63 | 0  | "6,115,152".pn. and gray adj scale   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:42 |
| S64 | 1  | "6,115,152".pn. and homogeniz\$6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:43 |

## EAST Search History

|     |   |  |   |    |    |                  |
|-----|---|--|---|----|----|------------------|
| S65 | 0 | "4,842,396".pn. and homogeniz\$6                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:59 |
| S66 | 0 | "5,889,567".pn. and homogeniz\$6                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:46 |
| S67 | 0 | "5,926,411".pn. and homogeniz\$6                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 15:00 |
| S68 | 0 | "4,842,396".pn. and kinoform\$6 and<br>binary and continuous | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:45 |
| S69 | 0 | "4,842,396".pn. and binary and<br>continuous                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:45 |
| S70 | 0 | "4,842,396".pn. and continuous                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:45 |
| S71 | 0 | "4,842,396".pn. and kinoform\$6 and<br>binary                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:45 |
| S72 | 0 | "4,842,396".pn. and kinoform\$6                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:45 |
| S73 | 0 | "4,842,396".pn. and binary                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:46 |
| S74 | 0 | "5,889,567".pn. and kinoform\$6                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:46 |



## EAST Search History

|     |   |   |   |    |    |                  |
|-----|---|---|---|----|----|------------------|
| S75 | 1 | "5,889,567".pn. and binary  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:47 |
| S76 | 1 | "5,889,567".pn. and binary and diffract\$                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:50 |
| S77 | 1 | "5,889,567".pn. and binary and diffract\$ and continu\$6                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 14:51 |
| S78 | 1 | "5,889,567".pn. and binary and diffract\$ and gray adj scale                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 15:04 |
| S79 | 0 | "5,889,567".pn. and diffuser  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 15:03 |
| S80 | 0 | "4,842,396".pn. and diffract\$6 and diffuser                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 15:00 |
| S81 | 0 | "5,926,411".pn. and diifuser  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 15:00 |
| S82 | 0 | "5,926,411".pn. and diffuser  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 15:00 |
| S83 | 1 | "5,889,567".pn. and diffus\$6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 15:03 |
| S84 | 0 | "5,889,567".pn. and binary and diffract\$ and diffuse\$6 and gray adj scale | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 15:04 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S85 | 1   | "5,889,567".pn. and binary and diffract\$ and diffus\$6 and gray adj scale            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 15:04 |
| S86 | 162 | display and (diffractive adj optical and element) and kinoform\$6                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 16:19 |
| S87 | 0   | display and (diffractive adj optical and element) adj kinoform\$6                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 16:17 |
| S88 | 3   | display and (diffractive adj optical and element) and kinoform\$6 and homogeniz\$5    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 16:18 |
| S89 | 6   | display and (diffractive adj optical and element) and kinoform\$6 and "345"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 16:20 |
| S90 | 4   | display and (diffractive adj optical and element) and homogeniz\$6 and "345"/\$.ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/03 16:20 |
| S91 | 2   | "20040108971"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/08 14:00 |
| S92 | 0   | "20040108971" and homogeniz\$6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/04 08:17 |
| S93 | 2   | "6657605".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/08 13:59 |
| S94 | 0   | "6657605".pn. and diffract\$6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/08 13:59 |

## EAST Search History

|     |   |                               |   |    |    |                  |
|-----|---|-------------------------------|---|----|----|------------------|
| S95 | 2 | "6657605".pn.                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/08 14:12 |
| S96 | 2 | "20040104871"                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/08 14:01 |
| S97 | 2 | "20040104871" and diffract\$6 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/08 14:01 |
| S98 | 1 | "6657605".pn. and diffuse\$6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/08 14:12 |

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals       | Time Stamp                               |
|-------|------|---|---|------------------|---------------|--|
| L1    | 0    | display adj modualted adj light and guided and dispersed and<br>"6,657,605".pn. and diffract\$6           | USPAT;<br>EPO; JPO<br><br>US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR<br><br>OR     | OFF<br><br>ON | 2002/06/04 07:52<br><br>2006/09/08 13:56 |
| S1    | 1067 | Holographic adj optical adj element   | USPAT;<br>EPO; JPO  | OR               | OFF           | 2002/06/05 17:22                         |
| S2    | 73   | Holographic adj optical adj element and light adj emitting adj diode                                      | USPAT;<br>EPO; JPO  | OR               | OFF           | 2002/06/03 09:07                         |
| S3    | 16   | Holographic adj optical adj element and light adj emitting adj diode and pixels                           | USPAT;<br>EPO; JPO  | OR               | OFF           | 2002/06/04 18:43                         |
| S4    | 3    | Holographic adj optical adj element and light adj emitting adj diode and pixels and elliptical            | USPAT;<br>EPO; JPO  | OR               | OFF           | 2002/06/04 18:43                         |
| S5    | 1090 | display and housing and pixels and LED  | USPAT;<br>EPO; JPO  | OR               | OFF           | 2002/06/05 11:34                         |
| S6    | 2    | display and housing and pixels and LED and light adj dispersed  | USPAT;<br>EPO; JPO  | OR               | OFF           | 2002/06/04 07:39                         |
| S7    | 12   | Holographic adj optical adj element and light adj emitting adj diode and pixels and display               | USPAT;<br>EPO; JPO  | OR               | OFF           | 2002/06/05 09:05                         |
| S8    | 4    | Holographic adj optical adj element and light adj emitting adj diode and pixels and display and dispersed | USPAT;<br>EPO; JPO  | OR               | OFF           | 2002/06/05 13:00                         |
| S9    | 1    | display and modualted adj light   | USPAT;<br>EPO; JPO  | OR               | OFF           | 2002/06/04 07:56                         |
| S10   | 1    | display and modualted and light and x-axis  | USPAT;<br>EPO; JPO  | OR               | OFF           | 2002/06/04 07:59                         |
| S11   | 1    | display and modualted and light and y-axis  | USPAT;<br>EPO; JPO  | OR               | OFF           | 2002/06/04 07:59                         |
| S12   | 1    | display and modualted and light and z-axis  | USPAT;<br>EPO; JPO  | OR               | OFF           | 2002/06/04 18:37                         |
| S13   | 1    | display and modualted and light and x-axis and y-axis and z-axis  | USPAT;<br>EPO; JPO  | OR               | OFF           | 2002/06/04 08:19                         |
| S14   | 1    | display and modualted and light and x-axis and y-axis and z-axis and diffracted                           | USPAT;<br>EPO; JPO  | OR               | OFF           | 2002/06/04 12:19                         |
| S15   | 1    | display and modualted and light and z-axis and diffracted and x-y adj plane                               | USPAT;<br>EPO; JPO  | OR               | OFF           | 2002/06/05 10:42                         |
| S16   | 2    | display and modualted and light and housing   | USPAT;<br>EPO; JPO  | OR               | OFF           | 2002/06/05 11:33                         |

## EAST Search History

|     |      |  |  |    |     |                  |
|-----|------|--|--|----|-----|------------------|
| S17 | 6    | Holographic adj optical adj element and light adj emitting adj diode and pixels and housing  | USPAT;<br>EPO; JPO                       | OR | OFF | 2002/06/04 15:50 |
| S18 | 2    | Holographic adj optical adj element and light adj emitting adj diode and pixels and display and dispersed and housing                    | USPAT;<br>EPO; JPO                       | OR | OFF | 2002/06/04 15:52 |
| S19 | 8    | display and modualted and light  | USPAT;<br>EPO; JPO                       | OR | OFF | 2002/06/05 11:33 |
| S20 | 3    | Holographic adj optical adj element and light adj emitting adj diode and pixels and display and housing                                  | USPAT;<br>EPO; JPO                       | OR | OFF | 2002/06/05 09:48 |
| S21 | 1    | display and modualted and light and pixels   | USPAT;<br>EPO; JPO                       | OR | OFF | 2002/06/05 11:32 |
| S22 | 2    | Holographic adj optical adj element and light adj emitting adj diode and pixels and display and housing and elliptical                   | USPAT;<br>EPO; JPO                       | OR | OFF | 2002/06/05 10:30 |
| S23 | 2    | Holographic adj optical adj element and light adj emitting adj diode and pixels and display and housing and elliptical and mask          | USPAT;<br>EPO; JPO                       | OR | OFF | 2002/06/05 11:44 |
| S24 | 2    | display and housing and pixels and LED and plurality adj video adj images  | USPAT;<br>EPO; JPO                       | OR | OFF | 2002/06/05 11:35 |
| S25 | 1    | Holographic adj optical adj element and light adj emitting adj diode and pixels and display and dispersed and light adj output           | USPAT;<br>EPO; JPO                       | OR | OFF | 2003/01/08 16:16 |
| S26 | 4150 | display adj modualted adj light and guided and dispersed and LED aqnd control adj power adj supply                                       | USPAT;<br>EPO; JPO                       | OR | OFF | 2002/06/05 13:14 |
| S27 | 1    | Holographic adj optical adj element and light adj emitting adj diode and pixels and video adj display and dispersed and light adj output | USPAT;<br>EPO; JPO                       | OR | OFF | 2002/06/05 17:44 |
| S28 | 2    | ("6335739").PN.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/06/05 17:20 |
| S29 | 1    | "6335739".pn.  | USPAT;<br>EPO; JPO                       | OR | OFF | 2002/06/05 17:23 |
| S30 | 2    | "6335739".pn.  | USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2002/06/05 17:23 |
| S31 | 1    | "6,115,152".pn.  | USPAT;<br>EPO; JPO                       | OR | OFF | 2002/06/11 17:40 |

## EAST Search History

|     |     |  |                    |    |     |                  |
|-----|-----|--|--------------------|----|-----|------------------|
| S32 | 806 | 359/15.ccls.   | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 08:04 |
| S33 | 88  | 359/15.ccls. and HOE   | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 08:04 |
| S34 | 11  | 359/15.ccls. and HOE and diffusion   | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 08:04 |
| S35 | 0   | 359/15.ccls. and HOE and diffusion<br>and elliptical and disbursement  | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 08:05 |
| S36 | 0   | 359/15.ccls. and HOE and diffusion<br>and elliptical   | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 08:13 |
| S37 | 59  | 359/15.ccls. and elliptical  | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 08:07 |
| S38 | 4   | 359/15.ccls. and elliptical and HOE  | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 08:12 |
| S39 | 1   | 359/15.ccls. and elliptical and HOE<br>and LED   | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 08:08 |
| S40 | 102 | elliptical and HOE   | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 08:12 |
| S41 | 40  | elliptical and HOE and LED   | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 08:13 |
| S42 | 3   | HOE and diffusion and elliptical and<br>LED  | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 16:50 |
| S43 | 5   | HOE and diffusion and elliptical   | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 08:17 |
| S44 | 0   | Holographic adj optical adj element<br>and light adj emitting adj diode and<br>pixels and display and dispersed and<br>light adj output and elliptical | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 16:17 |
| S45 | 0   | HOE adj diffuse\$3 and LED adj<br>elliptical   | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 16:51 |
| S46 | 0   | HOE adj diffuse\$3 adj LED adj<br>elliptical   | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 16:52 |
| S47 | 0   | HOE adj diffuse\$3 adj LED and<br>elliptical   | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 16:52 |
| S48 | 2   | HOE adj diffuse\$3 and elliptical and<br>LED   | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 16:52 |
| S49 | 1   | "5,886,799".pn.  | USPAT;<br>EPO; JPO | OR | OFF | 2003/03/22 17:47 |
| S50 | 44  | elliptical and HOE and LED   | USPAT;<br>EPO; JPO | OR | OFF | 2003/03/22 17:47 |
| S51 | 1   | "5,760,850".pn.  | USPAT;<br>EPO; JPO | OR | OFF | 2003/03/22 17:46 |
| S52 | 1   | "5,760,850".pn. and elliptical   | USPAT;<br>EPO; JPO | OR | OFF | 2003/03/22 17:46 |

## EAST Search History

|     |        |   |                    |    |     |                  |
|-----|--------|---|--------------------|----|-----|------------------|
| S53 | 0      | "5,760,850".pn. and elliptical and light adj modulation   | USPAT;<br>EPO; JPO | OR | OFF | 2003/03/22 17:47 |
| S54 | 1      | "5,886,799".pn. and elliptical and light adj modulation   | USPAT;<br>EPO; JPO | OR | OFF | 2003/03/22 17:47 |
| S55 | 0      | "5,886,799".pn. and elliptical and light adj modulation and light adj guide   | USPAT;<br>EPO; JPO | OR | OFF | 2003/03/22 17:47 |
| S56 | 0      | elliptical and HOE and LED and elliptical and light adj modulation  | USPAT;<br>EPO; JPO | OR | OFF | 2003/03/22 17:48 |
| S57 | 0      | Holographic adj optical adj element and light adj emitting adj diode adj pixel  | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/03 09:07 |
| S58 | 0      | display and light adj direction adj x adj y adj z   | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/03 09:20 |
| S59 | 388594 | display and light adj directed and axis adj x adj axis y adj axis z   | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/03 09:22 |
| S60 | 0      | display and light adj directed and axis adj x adj axis adj y adj axis adj z   | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/03 09:22 |
| S61 | 0      | display adj housing adj pixels adj LED adj plurality  | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/03 09:57 |
| S62 | 0      | display adj housing adj pixels adj LED  | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/03 09:25 |
| S63 | 0      | display and housing and pixels and LED and light adj dispersed adj direction  | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 07:40 |
| S64 | 0      | Holographic adj optical adj element and light adj emitting adj diode and pixels and display and dispersed adj orientation | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 07:43 |
| S65 | 0      | Holographic adj optical adj element and light adj emitting adj diode and pixels and display and dispersed adj axis        | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 07:45 |
| S66 | 0      | Holographic adj optical adj element and light adj emitting adj diode and pixels and display and dispersed adj direction   | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 07:41 |
| S67 | 0      | display and modualted and light and z-axis and defracted  | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 08:00 |
| S68 | 0      | display and modualted and light and z-axis and dispersed  | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 08:00 |
| S69 | 0      | display adj modualted adj light and guided and dispersed and axis adj x   | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 07:52 |
| S70 | 0      | display adj modualted adj light and guided and dispersed  | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 07:53 |
| S71 | 0      | display adj modualted adj light and dispersed   | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 07:53 |

## EAST Search History

|     |   |   |                    |    |     |                  |
|-----|---|---|--------------------|----|-----|------------------|
| S72 | 0 | display and modualted adj light and dispersed   | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 07:53 |
| S73 | 0 | display and modualted and light and x-axis and y-axis and z-axis and diffracted   | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 08:19 |
| S74 | 0 | display and modualted and light and x-axis and y-axis and z-axis and diffracted adj x-y adj plane   | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 12:20 |
| S75 | 0 | display and modualted and light and z-axis and diffracted adj x-y adj plane   | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 12:20 |
| S76 | 0 | display and modualted and light and z-axis and diffracted and x-y adj plane and propagation   | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 12:31 |
| S77 | 0 | display and modualted and light and z-axis and diffracted and x-y adj plane and propagated  | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 12:31 |
| S78 | 0 | display and modualted and light adj travel and z-axis and diffracted and x-y adj plane and propagated   | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 12:31 |
| S79 | 0 | Holographic adj optical adj element and light adj emitting adj diode and pixels and elliptical and housing adj dispaly                                    | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 18:43 |
| S80 | 0 | Holographic adj optical adj element and light adj emitting adj diode and pixels and hosing adj display  | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 18:44 |
| S81 | 0 | display and modualted and light and z-axis and diffracted and x-y adj plane and housing   | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/04 15:23 |
| S82 | 0 | Holographic adj optical adj element and light adj emitting adj diode and pixels and display and modualted and x-axis and y-axis and z-axis and diffracted | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/05 09:06 |
| S83 | 0 | Holographic adj optical adj element and light adj emitting adj diode and pixels and display and modualted and x-axis and y-axis and z-axis                | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/05 09:07 |
| S84 | 0 | Holographic adj optical adj element and light adj emitting adj diode and pixels and display and x-axis and y-axis and z-axis                              | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/05 09:08 |
| S85 | 0 | Holographic adj optical adj element and light adj emitting adj diode and pixels and display and housing and z-axis and diffracted and x-y adj plane       | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/05 09:47 |



## EAST Search History

|     |   |   |                    |    |     |                  |
|-----|---|---|--------------------|----|-----|------------------|
| S86 | 0 | display and modualted and light and z-axis and diffracted and x-y adj plane and pixels  | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/05 09:11 |
| S87 | 0 | display and modualted and light and z-axis and diffracted and x-y adj plane and mask  | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/05 11:31 |
| S88 | 0 | display and modualted and light and z-axis and diffracted and x-y adj plane and Holographic adj optical adj element                                     | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/05 10:43 |
| S89 | 0 | display and modualted and light and z-axis and diffracted and x-y adj plane and plurality adj images adj video  | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/05 11:31 |
| S90 | 0 | display and modualted and light and pixels and plurality adj images adj video   | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/05 11:32 |
| S91 | 0 | display and modualted and light and housing and plurality adj images  | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/05 11:33 |
| S92 | 0 | display and modualted and light and plurality adj images adj video  | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/05 11:34 |
| S93 | 0 | Holographic adj optical adj element and light adj emitting adj diode and pixels and display and housing and elliptical and mask and diffuser adj HOE    | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/05 11:50 |
| S94 | 0 | Holographic adj optical adj element and light adj emitting adj diode and pixels and display and housing and elliptical and mask and interchange adj HOE | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/05 15:06 |
| S95 | 0 | Holographic adj optical adj element and light adj emitting adj diode and pixels and video adj display and dispersed and light adj output and elliptical | USPAT;<br>EPO; JPO | OR | OFF | 2002/06/05 17:45 |
| S96 | 0 | HOE adj diffuse\$3 adj elliptical and LED   | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 16:51 |
| S97 | 0 | HOE adj diffuse\$3 adj LED and elliptical   | USPAT;<br>EPO; JPO | OR | OFF | 2003/01/08 16:51 |